

Sampling to Validate WTC Signatures

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Dust Signature Validation

- Develop chemical/physical signatures for building collapse and fires
 - Gypsum, MMVF
 - PAH ratios
- Establish detection limits
- Collect samples from 10 WTC-contaminated sites and 10 sites outside plumes
- Provide dust samples to analysts to see if signatures are valid

Deutsche Bank Samples

- Dust samples collected 8/28/04
- Samples from floors 22, 12, and 7 on the north side (damaged and open to outdoors)
- Samples from floors 41, 35, 5, and 3 on the south side (undisturbed dust)
- Analyzed for PAH ratios – WTC signature evident

Additional WTC sites

- Access granted to 4 Albany for sampling on 10/1/04
- Seeking access to Fiterman Hall

Background Samples

- Two sites identified
- Seeking at least eight additional sites outside of Lower Manhattan
- Background critical to validating signatures for fire and for building collapse

Samples Needed to Validate WTC Signature

- At least 8 background areas
- At least 7 contaminated areas
- Sampling requirements
 - Permission for access
 - Less than 4 hours time
 - Dusty areas
- Obtaining these samples will help to advance the clean-up planning effort